DOK

h	Depth 6	Contents 7	Reference to last Measurement 8

First and Final

SBRno - 34/16-17
31-5-16

M. A. R. 57 (Rule 116)
Measurement Book

No. B

265219

BR-157
31-5-16

Serial No. .....

Name of Work Improvements and Asphalting to Roads at Apt Layout, Lakeshore garden

Name of Contractor of nature of Agency and Hanumaan Layout in ward no. 09

Date of commencement of work Agency: Sri B.B. Umesh, # 385/1, Bettahalasur village, Blore.

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Work code no: 009-16-000002						
	Work order no: EE/BTP/BBMP/E-DMT/220/2015-16						Dated: 16/02/2016
	Est cost: Rs. 30.00 lakhs						
	1) Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2m and an average lift upto 0.5m excavated surface levelled and sides neatly dressed. The disposal earth to be levelled neatly after breaking & clods etc complete as per specification						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		premeasurement Recorded vide page No. 265201 to 204 of this MB is				846.15 m³	
				@ Rs. 75.6/m³			63818=00
2)	Removing BS slab of drain and stacking the complete as per specification						
		premeasurement Recorded vide page No. 265204/1 to 205 of this MB is				2943.00 m²	
				@ Rs. 58.32/m²			171636=00

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agenc

Date of commencement of work .....

Date	Full description, etc, of work
1	2
3)	Refixing stone slab of as per specification
4)	Scarifying Kankar/ grav areas and disposal of sto all labours charges etc c

IT BOOK

ensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
ment Recorded vide page			
o 204 of this MB is			
		844.15 m³	
@ Rs. 75.6/m³			63818=00
1 etc complete as per			
ment Recorded vide page			
1 to 205 of this MB is			
		2943.00 m²	
@ Rs 58.32/m²			171636=00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

265220

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
3)	Refixing stone slab of drains and pointing in CM (1:3) etc complete as per specification						
		Qty vide item No: 1 (2)				2943=00 m²	
					@ Rs. 75.60/m²		222491=00
4)	Scarifying Kankar/Gravel/metal crust upto 150 mm thick with picks axes and disposal of stuff with in a lead of 100 m including cost of all labours charges etc complete as per specification						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		premeasurement Recorded vide page No: 265205/1 to 210 of this MB is				3407.00 m2	
					@ Rs. 22.68/m2		77271=00
	5) providing laying spreading and compacting crushed stones aggregates to wet mix macadam specifications including premixing the metal with water at one in mechanical mix plant carriage & mixed method & tipper to site laying in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller as per specification and direction of engineer in charge of the work.	premeasurement Recorded vide page No: 265210/1 to 215 of this MB is					

M. A
Me

Serial No. .....
Name of Work ..... From
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Number 3
	6) providing and applying primer coat prepared surface of granular base of road surface and spraying primer including all complete as per specifica charge of work.	premeas 265215

OOK

th	Depth 6	Contents 7	Reference to last Measurement 8
		Recorded vide to 210 of this MB is 3407.00 m²	
		@ Rs. 22.68/m²	77271=00
		rushed stones aggregates emulsifying the metal with of mixed method paver in sub base ing with vibratory neer in charge of the Recorded vide to 215 of this MB is	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

265221

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
						559.60 m³	
				@ Rs 1438.10/m³			804705=00
	6) providing and applying primer coat with SS bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg/sq m using mechanical means etc complete as per specification and direction of engineer in charge of work.	premeasurement 265215/1 to 218		Recorded vide Page No: of this MB is			

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						5920=00 m2	
						@ Rs. 31.32/m2	185440=00
7)	providing and laying semi dense bituminous concrete using crushed aggregates of specified grading premixed with bituminous binder and filler transporting the hot mix to work site laying with a hydro static paver finisher with sensor control to the required evached level and alignment rolling with smooth wheeled vibratory and tandem roller to achieve the desired compaction with 100-120 TPH capacity HMP with sensor paver gr-II (25mm to 30mm) with 5% VG-30 bitumen etc complete as per specification and direction of engineer in charge of work						

M. A
M

Serial No. .....
Name of Work ..... Fro
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	2nd cross APC Layout	1
		1
		1
		1
		1
		1
		1
		1

BOOK

ons		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
		5920=00 m2	
			1854/4=00
@ Rs. 31.32/m2			
us concrete using crushed			
h bituminous binder and			
aving with a hydrostatic			
ved cracked level and			
lly and Tandem roller			
-120 TPH capacity HMP			
with 5% VG-30 bitumen			
n of engineer in charge			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

265222

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	2nd cross APC Layout	1	6.60	(7.9+6.5)/2	0.025	1.19	
		1	30.00	(6.5+5.9)/2	0.025	4.65	
		1	30.00	(5.9+6.15)/2	0.025	4.52	
		1	30.00	6.15	0.025	4.61	
		1	30.00	(6.15+5.5)/2	0.025	4.37	
		1	30.00	(5.5+6.2)/2	0.025	4.39	
		1	30.00	(6.2+5.7)/2	0.025	4.46	
		1	30.00	(5.7+6.2)/2	0.025	4.46	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	30.00	$\frac{(6.2+5.8)}{2}$	0.025	4.50	
		1	30.00	$\frac{(5.8+5.7)}{2}$	0.025	4.31	
		1	21.00	$\frac{(5.7+6.2)}{2}$	0.025	3.12	
	Lakeshore garden 3rd 'C' cross	1	30.00	$\frac{(4.7+4.5)}{2}$	0.025	3.47	
		1	30.00	$\frac{(4.5+4.4)}{2}$	0.025	3.34	
		1	30.00	$\frac{(4.4+4.6)}{2}$	0.025	3.38	
		1	30.00	$\frac{(4.6+4.7)}{2}$	0.025	3.49	
		1	30.00	$\frac{(4.7+4.5)}{2}$	0.025	3.45	
		1	25.00	$\frac{(4.5+5.1)}{2}$	0.025	3.00	
	1st cross	1	30.00	$\frac{(4.7+4.4)}{2}$	0.025	3.41	

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Nu
	2nd cross	

BOOK

s		Contents	Reference to last Measurement
dth	Depth 6	7	8
+5.8)	0.025	4.50	
+5.7)	0.025	4.31	
+6.2)	0.025	3.12	
+4.5)	0.025	3.47	
+4.4)	0.025	3.34	
+4.6)	0.025	3.38	
+4.7)	0.025	3.49	
+4.5)	0.025	3.45	
+5.1)	0.025	3.00	
+4.4)	0.025	3.41	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

265223

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	30.00	4.40	0.025	3.30	
		1	30.00	$\frac{(4.4+4.0)}{2}$	0.025	3.15	
		1	16.00	$\frac{(4.0+4.10)}{2}$	0.025	1.62	
	2nd cross	1	30.00	4.50	0.025	3.38	
		1	30.00	4.50	0.025	3.38	
		1	30.00	4.50	0.025	3.38	
		1	30.00	$\frac{(4.5+4.6)}{2}$	0.025	3.34	
		1	30.00	4.40	0.025	3.30	

No. 345

Executive Engineer,
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore - 560 092

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	(4.4+4.5)/2	0.025	3.34	
		1	22.95	(4.5+4.6+6.4)/3	0.025	2.96	
		1	30.00	(4.65+4.2)/2	0.025	3.32	
		1	30.00	(4.2+4.1)/2	0.025	3.11	
		1	30.00	(4.1+5.7)/2	0.025	3.68	
		1	4.80	5.70	0.025	0.68	
		1	30.00	(5.0+4.4)/2	0.025	3.53	
		1	30.00	(4.4+4.05)/2	0.025	3.17	
		1	30.00	(4.05+4.4)/2	0.025	3.17	
		1	30.00	(4.4+4.6)/2	0.025	3.38	
	3rd cross						

Executive Engineer
Byatarayanapura Division
Bangalore

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Checked.
	Executive Engineer
	Depression filling

Contents 7	Reference to last Measurement 8
3·34	
2·96	
3·32	
3·11	
3·68	
0·68	
3·53	
3·17	
3·17	
3·38	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

265224

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	30·00	$\frac{(4.6+4.3)}{2}$	0·025	3·34	
		1	28·30	$\frac{(4.3+4.6)}{2}$	0·025	3·15	
	Checked.	1	30·00	4·60	0·025	3·45	
		1	30·00	4·60	0·025	3·45	
	Executive Engineer ... Division	1	24·80	$\frac{(4.6+4.3)}{2}$	0·025	2·76	
	Depression Filling	1	8·00	2·80	0·025	0·56	
		1	12·80	3·30	0·025	1·04	
		1	15·60	3·50	0·025	1·37	
		1	19·20	3·60	0·025	1·73	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	12.80	3.40	0.025	1.09	
		1	16.20	3.40	0.025	1.38	
		1	19.40	3.30	0.025	1.60	
		2	10.80	3.50	0.025	0.85	
		1	16.20	3.50	0.025	1.42	
		1	12.00	3.80	0.025	1.14	
		1	9.50	3.80	0.025	0.90	
		1	12.50	3.80	0.025	1.19	
		1	15.30	3.80	0.025	1.49	
		2	8.00	4.00	0.025	1.60	
		2	12.80	4.20	0.025	1.84	
		3	13.80	4.20	0.025	4.38	
						162.80 m³	1379867=10
						@ 14,8475.84/m³	

C.T.E.
29/05/16

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nur
1	2	
8)	Lead for disposal of debris by mechanical means including as per specification and directi	at
	28/5/16	
	certificate: certified that the	

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
3.40	0.025	1.09	
3.40	0.025	1.38	
3.30	0.025	1.60	
3.50	0.025	0.85	
3.50	0.025	1.42	
3.80	0.025	1.14	
3.80	0.025	0.90	
3.80	0.025	1.19	
3.80	0.025	1.49	
4.00	0.025	1.60	
4.20	0.025	1.84	
4.20	0.025	4.38	
		162.80 m³	1379867=00

@ 24,8475.84/m³

M. A. R. 57 (Rule 116)
Measurement Book

No. B

265225

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	8) lead for disposal of debris shall be payable at carriage rates by mechanical means including loading and unloading etc complete as per specification and direction of engineer in charge of work.						
		Qty vide item no:			01	844.15 m³	
		Qty limited to				801.94 m³	
					@ Rs 73.57/m³		58999=00
					Total		29,64,199=00

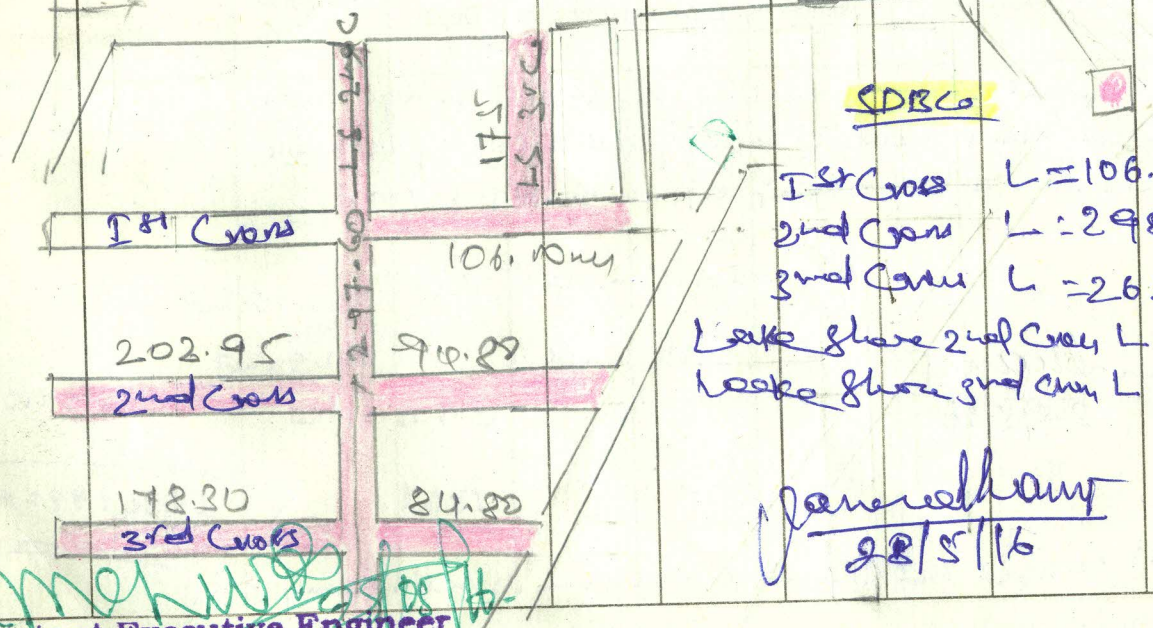
Certificate: certified that the above work done is satisfactorily

Jaswadhani
28/5/16

MEASUREMENT BOOK

KEY PLAN

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	4	6	7	8
	APC Layout						
	Sketch showing the work done spot:						



INDEX:

Asphalt Road

SDBC

I st Cross L = 106.10m
2nd Cross L = 298.75m
3rd Cross L = 263.10m
Lake shore 2nd Cross L = 297.60
Lake shore 3rd cross L = 175.10m

22/5/16

Assistant Executive Engineer
Vidyaranyapura Sub Division

Serial No. .....
Name of Work ..... F
Name of Contractor ..... Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numl
1	2	3
	Audited & Admitted to Rs 296419	
	2740175.00	
	and Rs 224019.00	
	Accts Supdt Vidyaranyapura Dn BBMP	

MENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
the work done spot:				
				INDEX:
				Asphalt Road
SDBCo				
1st Cross			L=106.00mlm	
2nd Cross			L=298.75m	
3rd Cross			L=263.10m	
Lake shore 2nd Cross			L=297.60	
Lake shore 3rd cross			L=175.10m	
Veeranadhamy 28/5/16				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

265226

Serial No. .....
Name of Work ..... From BR-157 31/5/16 To.....
Name of Contractor ..... Agency .....
Date of commencement of work .....

Date 1	Full description, etc. of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Audited & Admitted to Rs 2964190-00					IT - 29642.00	
	2740175-00 by revenue					VAT - 118568-00	
	and Rs 224019-00 by adjustment					LWF - 29642-00	
	Krishnaprasad Accts Supdt Byatarayanapura Dn BBMP					CSF - 2965-00	
						LR - 43202.00	
						Total Ded - 224019.00	
					18/6/16		